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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: (DMSL) HA-87 (HAL-ID 202)

Applicant: Carl SCARPA

Serial No.: Not yet assigned

Filing Date: Herewith

Title: A NOVEL OFDM CHANNEL ESTIMATION TECHNIQUE USING THE

CONSTANT MODULUS ALGORITHM AND REDUCED CONSTELLATION

SLICING

Examiner: Not yet assigned

Group Art Unit: Not yet assigned

Assistant Commissioner for Patents

Box Patent Application Washington, D.C. 20231

SIR:

Information Disclosure Statement

The applicant respectfully requests that the references listed on the attached PTO-FORM-1449 be considered in the examination of the above-identified application. A copy of each of these references is enclosed.

The applicant preserves the right to establish that any of the references listed on the attached PTO-FORM-1449 are not prior art to the above-captioned application.

Respectfully submitted,

Dated: 1702

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EXPRESS MAIL CERTIFICATION

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Muhael A Straub 36,941

Reg. No.

(modified	PTO-	1449

U.S. Department of Commerce Patent and Trademark Office Complete if Known

LIST OF REFERENCES CITED BY APPLICANT

(use as many sheets as necessary)

Application Number: Not yet assigned

Filing Date: Herewith
First Named Inventor: Carl SCARPA

Group Art Unit: Not yet assigned Examiner Name: Not yet assigned

Sheet 1 of 1 Attorney Docket No.: (DMSL)HA-87 (HAL-ID 202)



	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	US Class/ Sub Class	Pages, Columns, Lines where relevant Passages or Figures appear	
	AA.	6,295,326		Tonissen et al.	September 25, 2001	375/350		
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Examiner Initials*	Cite No.1	Foreign Patent Document Office ³ Number ⁴	Kind Code ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	AL.	EP 0 844 765 A2		Toyoda Chuo Kenkyusho KK	May 27, 1998		
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Examiner	Date	<u> </u>
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

l Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.